

## ABSTRACT

The present invention provides for the reduction of harmful gases, e.g., nitrogen oxides, in gas mixtures from pyrotechnic reactions, e.g., in gas generation for airbag systems. The reduction of harmful gases is achieved by vaporizing at least one additive selected from the group consisting of metallocenes, metallocene derivatives, urea, urea derivatives, sulphur and sulphur compounds during the pyrotechnic reaction by the heat generated in the pyrotechnic reaction, and converting the harmful gases in a homogenous gas phase reaction.